

FORM PTO-1619A
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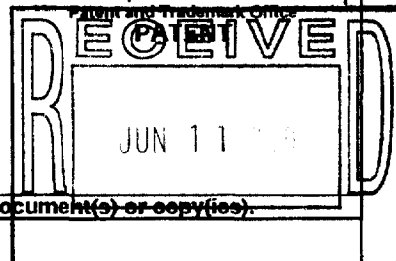


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U.S. Department of Commerce

Patent and Trademark Office



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Conveyance Type

- ☒ Assignment ☐ Security Agreement
- ☐ License ☐ Change of Name
- ☐ Merger ☐ Other
- U.S. Government**
(For Use ONLY by U.S. Government Agencies)
- ☐ Departmental File ☐ Secret File

Conveying Party(ies)☐ Mark if additional names of conveying parties attachedName (line 1) Pui-Ho Yuen

Execution Date
Month Day Year
1 26 99

Name (line 2) **Second Party**Name (line 1)

Execution Date
Month Day Year

Name (line 2) **Receiving Party**☐ Mark if additional names of receiving parties attachedName (line 1) Schering Corporation

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2) Address (line 1) 2000 Galloping Hill RoadAddress (line 2) Address (line 3) Kenilworth

City

New Jersey USA

State/Country

07033

Zip Code

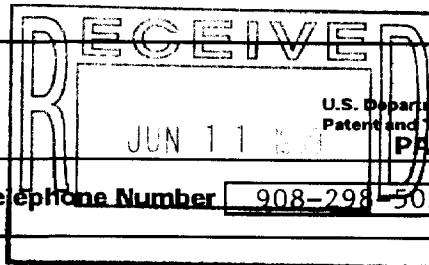
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Correspondent Name and Address

Area Code and Telephone Number **908-298-5024**

Name **James M. Gould**

Address (line 1) **Patent Dept. K-6-1, 1990**

Address (line 2) **Schering-Plough Corporation**

Address (line 3) **2000 Galloping Hill Road**

Address (line 4) **Kenilworth, New Jersey 07033-0530**

Pages

Enter the total number of pages of the attached conveyance document including any attachments.

5

Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

09/249,646

Patent Number(s)

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year

Patent Cooperation Treaty (PCT)

Enter PCT application number
only if a U.S. Application Number
has not been assigned.

PCT PCT PCT
PCT PCT PCT

Number of Properties

Enter the total number of properties involved.

1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$ **40.00**

Method of Payment:
Deposit Account

Enclosed ☐ Deposit Account ☒

(Enter for payment by deposit account or if additional fees can be charged to the account.)

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19-0365

Authorization to charge additional fees:

Yes ☒ No ☐

Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

James M. Gould

Name of Person Signing

Signature

6/3/99

Date

ASSIGNMENT

For good and valuable consideration paid to us,

(1) Andreas Frei (2) Henry K.H.Kwan
(3) Varda E. Sandweiss (4) Gary J.Vellekamp
(5) Pui-Ho Yuen (6) Laureano L. Bondoc Jr.
(7) Frederick William Porter, IV (8) John Chu-Tay Tang
(9) Peter Ihnat

respectively residing at

(1) Freehold, New Jersey (2) Summit, New Jersey
(3) Forest Hills, New York (4) Glen Ridge, New Jersey
(5) Princeton Junction, New Jersey (6) Piscataway, New Jersey
(7) Edison, New Jersey (8) Livingston, New Jersey
(9) Brooklyn, New York

by **SCHERING CORPORATION**, a corporation organized under the laws of the State of New Jersey, United States of America, having its principal office at Galloping Hill Road, Kenilworth, New Jersey 07033, United States of America, (hereinafter called "**ASSIGNEE**"), we each do hereby sell, assign and transfer to said **ASSIGNEE** each of our entire right, title and interest in all countries of the world in and to any and all of our inventions and discoveries in

COMPOSITIONS COMPRISING VIRUSES AND METHODS FOR CONCENTRATING
VIRUS PREPARATIONS

as described and/or claimed in our patent application executed on

by Andreas Frei
by Henry K.H.Kwan
by Varda E. Sandweiss
by Gary J.Vellekamp
January 26, 1999 by Pui-Ho Yuen
by Laureano L. Bondoc Jr.
by Frederick William Porter, IV
by John Chu-Tay Tang
by Peter Ihnat

and subsequently* officially identified as Application No. 09/249,646 filed on February 12, 1999 in and to the right to file patent applications in the name of **ASSIGNEE**, its designee, or in any or all of our names, at its election, on the aforesaid inventions and discoveries in all countries of the world, together with all rights of priority in the aforesaid countries deriving from the above-identified patent application under the International Convention for the Protection of Industrial Property, under the Inter-American Convention relating to Inventions, Patents, Designs and Industrial Models and under any other international arrangement to which the United States now is or hereafter becomes a signatory, in and to any and all Letters Patent that issue on any of the aforesaid patent applications, and in and to any continuations, divisions, reissues, renewals and extensions thereof of any of said Letters Patent, the same to be held and enjoyed by said **ASSIGNEE**, its successors, assigns and other legal representatives, to the full ends of the terms for which a Letters Patent therefor may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

And we hereby covenant and agree that we will at any time, upon the request and at the expense of **ASSIGNEE**, execute and deliver any and all documents that may be necessary or desirable to perfect the title to the foregoing inventions and discoveries, patent applications, and Letters Patent and continuations, divisions, reissues, renewals and extensions thereof in **ASSIGNEE**, its successors, assigns or other legal representatives, including the execution and procurement of any and all further documents evidencing this assignment and sale as may be necessary or desirable for recording the same in the Patent Office of any country concerned, and that we will, at any time, upon the request and the expense of **ASSIGNEE**, execute any additional or divisional applications for patents for said inventions and discoveries, or any part or parts thereof, and applications for patents of confirmation, registration and importation based on said Letters Patent and on Letters Patent issuing from said additional or divisional applications and reissues, renewals and extensions therefor, and will make all rightful oaths and declarations and do all lawful acts requisite for procuring the same or for aiding therein, without further compensation, but at the expense of **ASSIGNEE**, its successors, assigns or other legal representatives.

*We hereby authorize **ASSIGNEE** to insert in this instrument the Application Number and the filing date of said application when officially notified thereof.

Executed this _____ day of _____, 19 _____.

L.S.

Andreas Frei

Executed this _____ day of _____, 19 _____.

L.S.

Henry K.H. Kwan

Executed this _____ day of _____, 19 _____.

L.S.

Varda E. Sandweiss

Executed this _____ day of _____, 19 _____.

L.S.

Garry J.Vellekamp

Executed this 26th day of Jan., 19 99.

L.S.

Pui-Ho Yuen

Executed this _____ day of _____, 19 _____.

L.S.

Laureano L. Bondoc Jr.

Executed this _____ day of _____, 19 _____.

L.S.

Frederick William Porter, IV

Executed this _____ day of _____, 19 _____.

L.S.

John Chu-Tay Tang

Executed this _____ day of _____, 19 _____.

L.S.

Peter Ihnat

ACKNOWLEDGEMENT

State of _____)
County of _____) s.s.:

On this _____ day of _____, 19_____,

personally appeared before me **Andreas Frei**
to me known, and known by me to be the same person described in and who executed the foregoing
instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the
purpose set forth.
(Seal)

Notary Public

ACKNOWLEDGEMENT

State of _____)
County of _____) s.s.:

On this _____ day of _____, 19_____,

personally appeared before me **Henry K.H. Kwan**
to me known, and known by me to be the same person described in and who executed the foregoing
instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the
purpose set forth.
(Seal)

Notary Public

ACKNOWLEDGEMENT

State of _____)
County of _____) s.s.:

On this _____ day of _____, 19_____,

personally appeared before me **Varda E.Sandweiss**
to me known, and known by me to be the same person described in and who executed the foregoing
instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the
purpose set forth.
(Seal)

Notary Public

ACKNOWLEDGEMENT

State of _____)
County of _____) s.s.:

On this _____ day of _____, 19____,

personally appeared before me Gary J. Vellekamp
to me known, and known by me to be the same person described in and who executed the foregoing
instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the
purpose set forth.

(Seal)

Notary Public

ACKNOWLEDGEMENT

State of New Jersey)
County of Camden) s.s.:

On this 26th day of January, 19 99,

personally appeared before me Pui-Ho Yuen
to me known, and known by me to be the same person described in and who executed the foregoing
instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the
purpose set forth.

(Seal)

HARRIET A. KRAMER
Notary Public of New Jersey
My Commission Expires August 31, 2002

Harriet A. Kramer
Notary Public

ACKNOWLEDGEMENT

State of _____)
County of _____) s.s.:

On this _____ day of _____, 19____,

personally appeared before me Laureano L. Bondoc Jr.
to me known, and known by me to be the same person described in and who executed the foregoing
instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the
purpose set forth.

(Seal)

Notary Public

ACKNOWLEDGEMENT

State of _____)
County of _____) s.s.:

On this _____ day of _____, 19_____,

personally appeared before me **Frederick William Porter, IV**
to me known, and known by me to be the same person described in and who executed the foregoing
instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the
purpose set forth.

(Seal)

Notary Public

ACKNOWLEDGEMENT

State of _____)
County of _____) s.s.:

On this _____ day of _____, 19_____,

personally appeared before me **John Chu-Tay Tang**
to me known, and known by me to be the same person described in and who executed the foregoing
instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the
purpose set forth.

(Seal)

Notary Public

ACKNOWLEDGEMENT

State of _____)
County of _____) s.s.:

On this _____ day of _____, 19_____,

personally appeared before me **Peter Ihnat**
to me known, and known by me to be the same person described in and who executed the foregoing
instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the
purpose set forth.

(Seal)

Notary Public

Rev. 9/95 JHB